



## Emerging Renewable Technologies

**Solar photovoltaics (PV)** convert sunlight directly into electricity. **SPIRE** is focusing on solar photovoltaics as the most widely applicable technology available.

**Other renewable technologies include:**

- ✧ Small wind turbines
- ✧ Fuel cells powered by renewable fuel sources
- ✧ Solar thermal that uses the sun's heat to generate electricity



## Is your city, county, special district or school thinking about installing PV panels?

Order a free copy of the Renewable Energy Assistance Packet – your one-stop shop for renewable energy financing and procurement:

### LOCAL GOVERNMENT COMMISSION

[www.lgc.org](http://www.lgc.org)

☎(916) 448-1198 x324; [apernell@lgc.org](mailto:apernell@lgc.org) (Alison Pernell)

Learn more about renewable technologies, distributed generation and rebate incentives:

### CALIFORNIA ENERGY COMMISSION

[www.energy.ca.gov/renewables](http://www.energy.ca.gov/renewables)

☎(800) 555-7794

### PACIFIC GAS & ELECTRIC

[www.pge.com/002\\_biz\\_svc/selfgen](http://www.pge.com/002_biz_svc/selfgen)

☎(415) 973-6436

### SAN DIEGO GAS & ELECTRIC

[www.sdenergy.org/selfgen](http://www.sdenergy.org/selfgen)

☎(619) 595-5634

### SOUTHERN CALIFORNIA EDISON

[www.scespc.com/sgjp.nsf](http://www.scespc.com/sgjp.nsf)

☎(800) 736-4777

### SOUTHERN CALIFORNIA GAS COMPANY

[www.socalgas.com/candi/cash\\_for\\_you/self\\_generation.shtml](http://www.socalgas.com/candi/cash_for_you/self_generation.shtml)

☎(800) GAS-2000



**RENEWABLE ENERGY  
PROGRAM**  
CALIFORNIA ENERGY COMMISSION



**LOCAL GOVERNMENT  
COMMISSION**

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Stimulating Public-sector Implementation of Renewable Energy

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*Low-interest financing and aggregated purchasing, combined with California's rebate incentives for renewable energy, make self generation a cost-effective option for the public sector's energy needs.*

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*A cooperative effort of the Local Government Commission, League of California Cities and California State Association of Counties.*

**CALIFORNIA RENEWABLE ENERGY PROGRAM**

## The Public Sector and Renewable Energy — Everybody Benefits

**B**uildings owned by California's cities and counties have the potential to generate nearly 200 megawatts of electricity a year from rooftop photovoltaics (PV), while California's school rooftops could produce 1,500 megawatts.\*

That means the rooftops of California's public buildings could generate enough electricity to power 1.5 million homes.

Local governments can also substantially cut their energy costs by using bulk purchasing and low-interest financing for distributed generation systems.\*

Photovoltaics produce the most electricity when the sun is at its brightest. This coincides with the peak energy demand, making PVs an effective technology to help reduce peak load demand.

\*SOURCE: U.S. Dept. of Energy's National Renewable Energy Laboratory, October 2000 study for the Local Government Commission.



## What Are the Benefits?

### LOCAL GOVERNMENTS AND SCHOOLS

- ✧ Stabilize long-term energy prices and reduce future fossil fuel price risks for public facilities
- ✧ Ensure a reliable supply of energy
- ✧ Utilize *current* state renewable energy incentives
- ✧ Budget for fixed energy costs
- ✧ Enjoy zero energy costs after loan repayment
- ✧ Set an example of environmental stewardship for the community

### THE COMMUNITY

- ✧ Guide and attract economic development
- ✧ Demonstrate reliability of renewable technologies
- ✧ Reduce the need for large, central power plants
- ✧ Improve air quality

### THE STATE OF CALIFORNIA

- ✧ Off-set peak load demand
- ✧ Diversify state wide energy portfolio, which increases reliable supplies and stabilizes prices

**SPIRE combines financing and procurement opportunities for the public sector.**

Low-interest financing  
for renewable  
energy systems

(Varied terms and rates)



Purchasing PV  
systems in bulk  
(Lower prices)



State rebate  
incentives  
(up to 50% of system cost)  
includes incentives for pv, wind, solar thermal,  
microturbine and fuel cell technologies



**Affordable,  
clean energy**